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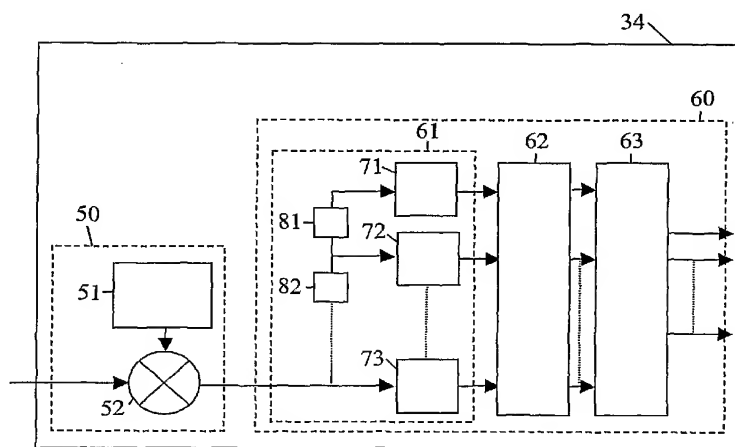
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(54) Title: STATION COMPRISING A RAKE RECEIVER



(57) Abstract: Stations like mobile terminals, bases stations and network nodes comprising rake receivers with fingers require relatively many calculations to be performed for despread-ing a symbol. By replacing despread-ing multipliers, integrators and dumpers in the fingers by Hadamard transformers (62), chips of several symbols with orthogonal channelization codes can be despread-ed simultaneously, and the station and the rake receiver have become more efficient. The despread-ing section (60 of the finger (34) comprises the Hadamard transformer (62) and a serial-to-parallel converter (61) comprising downsamplers (71-73). The station is a high-speed downlink packet access station (HSDPA) in a universal mobile telecommunication system (UMTS), with a number of de-channelization codes used being at least ten percent of a despread-ing factor used. For example, the despread-ing factor used is equal to sixteen, with the maximum possible number of de-channelization codes used being equal to five, ten or fifteen, depending on the capability class of the station.

WO 2005/055455 A1



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